

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E80823

Participation : CTR

Employer : Telecommunication Systems Inc

Status : Affected

Worksite :

Survey Type : Online

Street : 2401 Elliott Ave 2nd Floor

Response Rate : 87%

Jurisdiction : City of Seattle

Survey Date : 10/29/2017

Non-Drive Alone & One-Way VMT Rates at this Worksite

Non-Drive Alone Rate : 76.2%

Drive Alone Rate : 23.8%

One-Way VMT per employee : 4.8

Average One-Way distance home to work : 16.1

Employees and Survey Response Information

Reported Total Employees at Worksite: 266

Surveys Distributed : 266

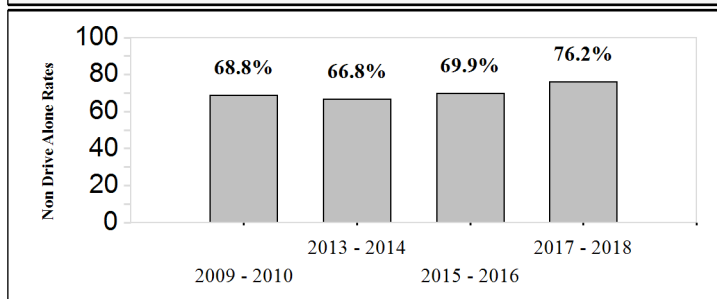
Surveys Returned : 232

Surveys Returned by CTR Affected* Employees : 213

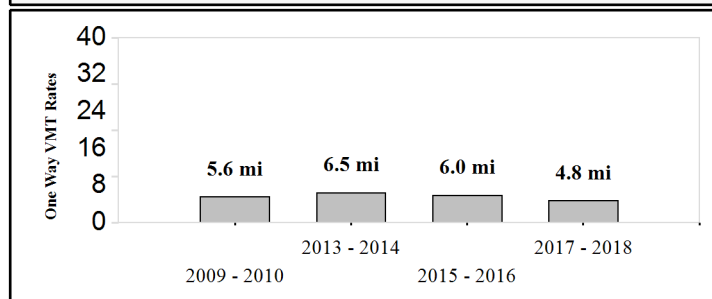
Total Estimated CTR Affected Employees at Worksite : 244

**CTR Affected employees filled out the survey as being full-time and commuting (typically) to work at least twice between 6a and 9a, Monday through Friday.*

Non Drive Alone Rates - ALL Employees



One Way VMT per Employee - ALL Employees



Site History and Targets

Annual Metric Tons CO₂e Pounds CO₂e

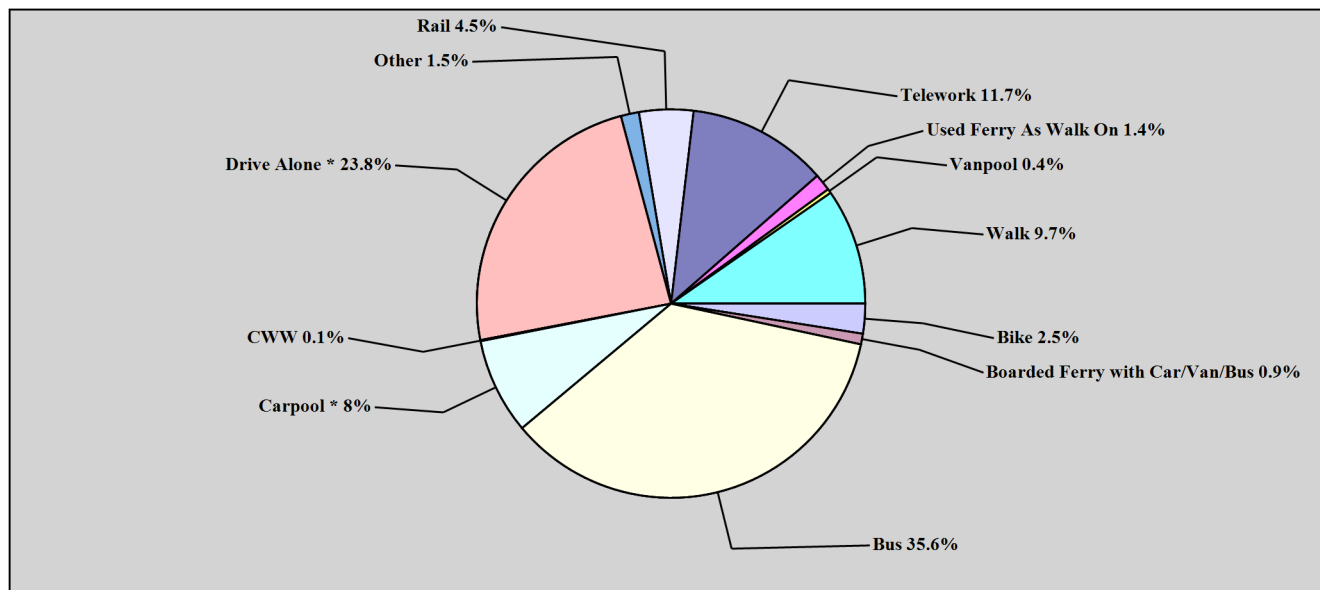
Cycle	Non Drive Alone Rate - All	Non Drive Alone Rate - CTR Affected	Emissions for Surveyed Employees	Estimated Emissions for Total Employment	GHG per Employee's Roundtrip	VMT per Employee - All	VMT per Employee - CTR Affected
2007 - 2008	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2009 - 2010	68.8%	69.7%	273	354	11.7	5.6	5.4
2011 - 2012	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2013 - 2014	66.8%	68.6%	283	366	12.1	6.5	6.1
2015 - 2016	69.9%	69.7%	268	305	10.1	6.0	6.0
2017 - 2018	76.2%	76.3%	240	276	9.2	4.8	4.8
Target	51.0%				Target:	N/A	
% Point Change Target:	-17.8				% Change Target:	N/A	
% Point Change from Baseline:	7.4				% Change from Baseline:	-14.3%	

GHG calculations are based on VMT and estimated total round-trip commutes for all employees. Modes that contribute to GHG include driving alone, carpooling, vanpooling, and riding a motorcycle. The use of other modes (e.g., transit, rail, walking, ferry) do not increase a worksite's GHG calculation. For more information about how GHG is calculated, please contact your jurisdiction's representative.

Commute Trips By Mode - All Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



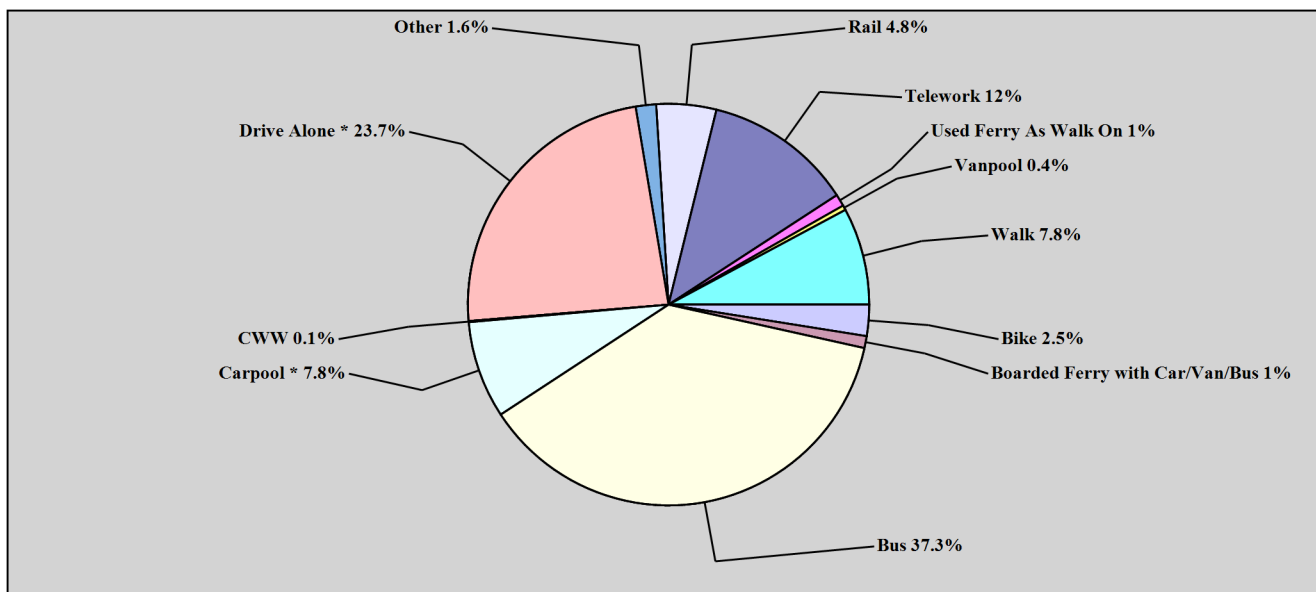
Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	269	23.8%	30.1%	77	33.2%	40.0%
Carpool *	90	8.0%	9.6%	28	12.1%	14.0%
Vanpool	4	0.4%	0.1%	1	0.4%	0.5%
Bus	401	35.6%	31.6%	98	42.2%	39.1%
Rail	51	4.5%	4.8%	17	7.3%	5.6%
Bike	28	2.5%	3.0%	8	3.4%	4.7%
Walk	109	9.7%	7.1%	27	11.6%	8.4%
Telework	132	11.7%	10.5%	63	27.2%	24.2%
CWW	1	0.1%	0.0%	1	0.4%	0.0%
Boarded Ferry with Car/Van/Bus	10	0.9%	0.0%	2	0.9%	0.0%
Used Ferry As Walk On	16	1.4%	0.3%	3	1.3%	0.5%
Other	17	1.5%	2.8%	4	1.7%	4.7%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Commute Trips By Mode - Affected Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - CTR Affected Employees



Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	245	23.7%	30.3%	70	32.9%	40.0%
Carpool *	81	7.8%	8.1%	26	12.2%	12.5%
Vanpool	4	0.4%	0.1%	1	0.5%	0.5%
Bus	386	37.3%	32.9%	94	44.1%	40.5%
Rail	50	4.8%	5.2%	16	7.5%	6.0%
Bike	26	2.5%	3.2%	7	3.3%	5.0%
Walk	81	7.8%	6.5%	21	9.9%	7.5%
Telework	124	12.0%	10.8%	59	27.7%	24.5%
CWW	1	0.1%	0.0%	1	0.5%	0.0%
Boarded Ferry with Car/Van/Bus	10	1.0%	0.0%	2	0.9%	0.0%
Used Ferry As Walk On	10	1.0%	0.3%	2	0.9%	0.5%
Other	17	1.6%	2.6%	4	1.9%	4.0%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	34	15%	232	100%
1 Days	17	7%	198	85%
2 Days	14	6%	181	78%
3 Days	9	4%	167	72%
4 Days	12	5%	158	68%
5 Days	139	60%	146	63%
6 or More Days	7	3%	7	3%

Count by Occupancy of Carpools and Vanpools

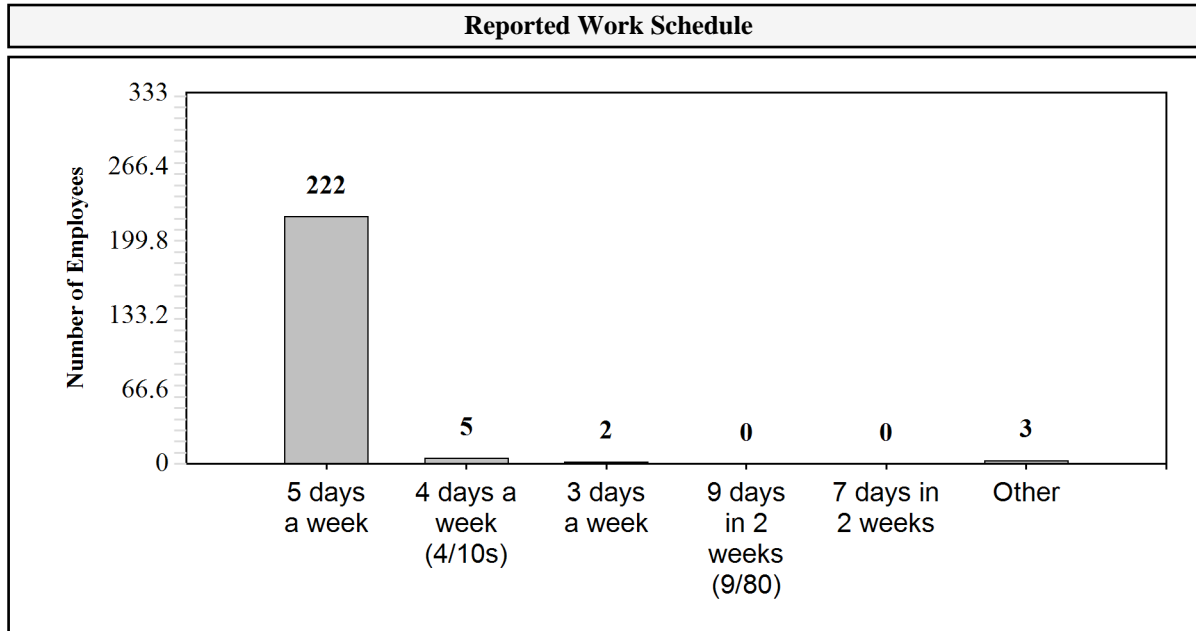
Q.5 If you used a carpool or vanpool as part of your commute, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
2*	Carpool	73
3	Carpool	10
4	Carpool	7
5	Carpool	0
>5	Carpool	0
<5	Vanpool	0
5	Vanpool	0
6	Vanpool	4
7	Vanpool	0
8	Vanpool	0
9	Vanpool	0
10	Vanpool	0
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
>14	Vanpool	0

* Motorcycle-2 counted with Carpool-2 for this table.

Reported Work Schedule - All Employees

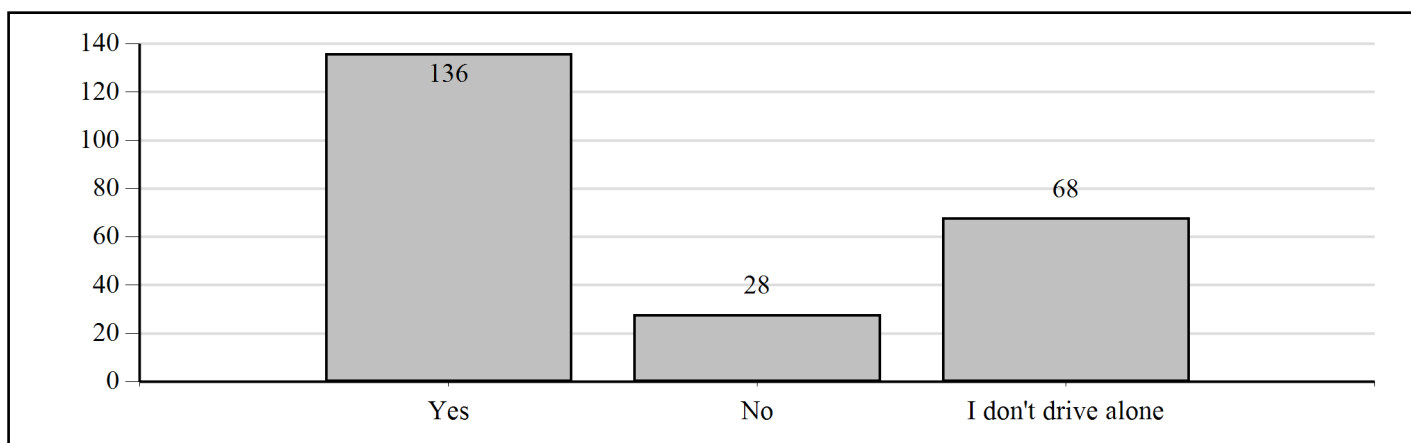
Q.8 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	222	95.7%
4 days a week (4/10s)	5	2.2%
3 days a week	2	0.9%
9 days in 2 weeks (9/80)	0	0%
7 days in 2 weeks	0	0%
Other	3	1.3%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	1	0.4%
I don't telework	57	24.6%
Occasionally, on an as-needed basis	77	33.2%
1-2 days/month	17	7.3%
1 day/week	43	18.5%
2 days/week	17	7.3%
3 days/week	20	8.6%

Reasons for driving alone to work/not driving alone to work
Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Cost of parking or lack of parking	114	21.7%
To save money	107	20.4%
I have the option of teleworking	57	10.9%
Personal health or well-being	48	9.1%
To save time using the HOV lane	42	8.0%
Other	40	7.6%
Environmental and community benefits	37	7.0%
Free or subsidized bus, train, vanpool pass or fare benefit	30	5.7%
Financial incentives for carpooling, bicycling or walking.	28	5.3%
Driving myself is not an option	18	3.4%
Emergency ride home is provided	2	0.4%
I receive a financial incentive for giving up my parking space	1	0.2%
Preferred/reserved carpool/vanpool parking is provided	1	0.2%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Riding the bus or train is inconvenient or takes too long	131	28.7%
I like the convenience of having my car	106	23.2%
Family care or similar obligations	84	18.4%
Other	66	14.5%
Bicycling or walking isn't safe	21	4.6%
My commute distance is too short	18	3.9%
I need more information on alternative modes	16	3.5%
My job requires me to use my car for work	12	2.6%
There isn't any secure or covered bicycle parking	2	0.4%

Commute Mode By ZipCode for All Employees

Q6. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98012	10	4.31%	20	7	0	0	18	0	0	0	3	0	0	0	0
98103	9	3.88%	6	1	0	0	29	0	8	0	1	0	0	0	0
98121	9	3.88%	0	0	0	0	0	0	0	47	0	0	0	0	0
98021	8	3.45%	6	13	0	0	13	0	0	0	5	0	5	0	0
98026	8	3.45%	15	0	4	0	20	0	0	0	0	0	0	0	0
98029	7	3.02%	4	11	0	0	14	0	0	0	3	0	0	0	0
98034	6	2.59%	4	1	0	0	23	0	0	0	2	0	0	0	0
98052	6	2.59%	7	0	0	0	19	0	0	1	3	0	0	0	0
98109	6	2.59%	0	0	0	0	14	0	0	7	1	0	0	0	8
98133	6	2.59%	12	0	0	0	13	0	0	1	1	0	0	0	0
98007	5	2.16%	1	0	0	0	23	0	0	0	2	0	0	0	0
98102	5	2.16%	0	4	0	0	1	0	0	21	1	0	0	0	0
98105	5	2.16%	9	5	0	0	1	2	6	0	0	0	0	0	0
98106	5	2.16%	5	0	0	5	11	0	0	0	0	0	0	0	4
98122	5	2.16%	3	3	0	0	11	0	0	5	1	0	0	0	0
98011	4	1.72%	4	1	0	2	3	0	0	0	9	0	0	0	0
98053	4	1.72%	0	3	0	0	5	0	0	0	12	0	0	0	0
98087	4	1.72%	6	8	0	0	5	0	0	0	1	0	0	0	0
98107	4	1.72%	8	0	0	0	10	0	0	0	2	0	0	0	0
98178	4	1.72%	4	8	0	0	0	5	0	0	0	0	0	0	0
98004	3	1.29%	0	1	0	0	14	0	0	0	0	0	0	0	0
98028	3	1.29%	0	0	0	0	9	0	0	0	6	0	0	0	0
98033	3	1.29%	0	0	0	0	15	0	0	0	0	0	0	0	0
98040	3	1.29%	10	0	0	0	5	0	0	0	0	0	0	0	0
98075	3	1.29%	5	0	0	0	10	0	0	0	0	0	0	0	0
98101	3	1.29%	1	0	0	0	0	0	0	9	3	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98166	3	1.29%	0	0	0	0	14	1	0	0	0	0	0	0	0
98199	3	1.29%	3	2	0	5	1	0	0	0	4	0	0	0	0
98338	3	1.29%	10	0	0	0	0	1	0	0	4	0	0	0	0
98001	2	0.86%	4	0	0	0	0	4	0	0	2	0	0	0	0
98005	2	0.86%	0	0	0	0	8	0	0	0	2	0	0	0	0
98006	2	0.86%	7	0	0	0	2	0	0	0	1	0	0	0	0
98030	2	0.86%	0	5	0	0	0	6	0	0	0	0	0	0	0
98056	2	0.86%	5	0	0	0	3	0	0	0	2	0	0	0	0
98058	2	0.86%	0	7	0	0	3	0	0	0	0	0	0	0	0
98059	2	0.86%	2	1	0	0	1	0	0	1	2	0	0	0	0
98092	2	0.86%	4	0	0	0	0	6	0	0	0	0	0	0	0
98110	2	0.86%	0	0	0	0	0	0	5	0	0	0	0	6	0
98115	2	0.86%	0	0	0	0	3	2	5	0	0	0	0	0	0
98116	2	0.86%	7	0	0	0	0	0	0	0	1	0	0	0	0
98118	2	0.86%	0	0	0	0	0	5	0	0	1	0	0	0	0
98119	2	0.86%	4	0	0	0	0	0	0	5	1	0	0	0	0
98125	2	0.86%	0	0	0	0	5	0	0	0	5	0	0	0	0
98136	2	0.86%	3	0	0	0	6	0	0	0	1	0	0	0	0
98144	2	0.86%	3	0	0	0	0	0	0	0	2	0	0	0	0
98155	2	0.86%	3	0	0	0	5	0	0	0	1	0	0	0	0
98168	2	0.86%	4	0	0	0	5	0	0	0	0	0	0	0	0
98290	2	0.86%	5	0	0	0	0	0	0	0	5	0	0	0	0
98329	2	0.86%	0	0	0	0	0	0	0	0	10	0	0	0	0
98371	2	0.86%	0	0	0	0	0	10	0	0	0	0	0	0	0
57110	1	0.43%	0	0	0	0	0	0	0	0	0	0	0	0	5
85351	1	0.43%	0	0	0	0	0	0	0	0	5	0	0	0	0
90631	1	0.43%	0	0	0	1	0	0	0	0	3	0	0	0	0
94582	1	0.43%	0	0	0	0	0	0	0	0	5	0	0	0	0
98002	1	0.43%	5	0	0	0	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98008	1	0.43%	0	0	0	0	5	0	0	0	0	0	0	0	0
98014	1	0.43%	0	0	0	0	4	0	0	0	1	0	0	0	0
98019	1	0.43%	0	0	0	0	5	0	0	0	0	0	0	0	0
98023	1	0.43%	3	0	0	0	0	0	0	0	2	0	0	0	0
98027	1	0.43%	3	0	0	0	2	0	0	0	0	0	0	0	0
98032	1	0.43%	5	0	0	0	0	0	0	0	0	0	0	0	0
98036	1	0.43%	5	0	0	0	0	0	0	0	0	0	0	0	0
98037	1	0.43%	0	0	0	0	5	0	0	0	0	0	0	0	0
98042	1	0.43%	0	0	0	0	0	3	0	0	2	0	0	0	0
98072	1	0.43%	3	0	0	0	0	0	0	0	1	1	0	0	0
98074	1	0.43%	0	0	0	0	5	0	0	0	0	0	0	0	0
98077	1	0.43%	3	2	0	0	0	0	0	0	0	0	0	0	0
98082	1	0.43%	4	0	0	0	0	0	0	0	1	0	0	0	0
98104	1	0.43%	0	0	0	0	0	0	0	5	0	0	0	0	0
98112	1	0.43%	0	0	0	0	5	0	0	0	0	0	0	0	0
98126	1	0.43%	1	0	0	0	0	0	4	0	0	0	0	0	0
98146	1	0.43%	0	5	0	0	0	0	0	0	0	0	0	0	0
98148	1	0.43%	2	0	0	0	3	0	0	0	0	0	0	0	0
98177	1	0.43%	2	0	0	0	1	0	0	0	2	0	0	0	0
98198	1	0.43%	0	0	0	0	4	1	0	0	0	0	0	0	0
98201	1	0.43%	0	0	0	0	3	0	0	2	0	0	0	0	0
98203	1	0.43%	5	0	0	0	0	0	0	0	0	0	0	0	0
98208	1	0.43%	0	0	0	0	5	0	0	0	0	0	0	0	0
98258	1	0.43%	5	0	0	0	0	0	0	0	0	0	0	0	0
98270	1	0.43%	4	0	0	0	0	0	0	0	0	0	0	0	0
98274	1	0.43%	0	0	0	0	4	0	0	0	1	0	0	0	0
98296	1	0.43%	0	0	0	0	4	0	0	0	1	0	0	0	0
98312	1	0.43%	0	0	0	0	0	0	0	0	0	0	0	5	0
98335	1	0.43%	0	0	0	0	0	0	0	0	0	0	0	5	0



			Weekly Count of Trips By Mode												
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98340	1	0.43%	0	0	0	0	0	0	0	0	0	0	5	0	0
98370	1	0.43%	3	0	0	0	0	0	0	0	0	0	0	0	0
98372	1	0.43%	0	0	0	0	0	0	0	5	0	0	0	0	0
98374	1	0.43%	0	0	0	0	0	0	0	0	5	0	0	0	0
98391	1	0.43%	3	0	0	0	0	1	0	0	1	0	0	0	0
98404	1	0.43%	0	0	0	0	0	4	0	0	1	0	0	0	0
98407	1	0.43%	4	0	0	0	0	0	0	0	1	0	0	0	0
98409	1	0.43%	0	0	0	0	4	0	0	0	0	0	0	0	0
98422	1	0.43%	4	0	0	0	0	0	0	0	0	0	0	0	0